

IN THE CLAIMS

1. (Currently Amended) A transmitter system for transmitting program related information relating to program information, comprising:

generating means for generating said program related information and display related information relating to displaying said program related information; and

transmitting means for transmitting said program related information and said display related information separately;

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said generating means composing said program related information and said display related information of a first part including identification information for identifying said program related information and said display related information and a second part composed of actual data;

whereby said display related information includes information for initiating an operation in response to selection of a displayed item; and


whereby the displaying of said program related information includes partitioning a display space according to a hierarchical structure having at least three levels, a main page level, a box level and a cell level, wherein main pages are linked to boxes via main-box link information and boxes are linked to cells via box-cell link information; and

whereby each main page is associated with a main layout tag that includes an ID of a box composing the page and each box is associated with a box layout tag that includes an ID of a cell composing the box.

2. (Original) The transmitter system according to Claim 1, wherein said generating means composes said second part of a third part composed of identification information for identifying said second part and a fourth part composed of the actual data.

3. (Canceled)

4. (Currently Amended) A receiver system for receiving program related information relating to program information, comprising:



receiving means for separately receiving said program related information and display related information relating to displaying said program related information; and

generating means for generating fourth information for displaying said program related information based on said program related information and said display related information;

whereby said display related information includes information for initiating an operation in response to selection of a displayed item; and

whereby the displaying of said program related information includes partitioning a display space according to a hierarchical structure having at least three levels, a main page level, a box level and a cell level, wherein main pages are linked to boxes via main-box link information and boxes are linked to cells via box-cell link information; and

whereby each main page is associated with a main layout tag that includes an ID of a box composing the page and each box is associated with a box layout tag that includes an ID of a cell composing the box.

5. (Previously Presented) The receiver system according to Claim 4, further comprising:

first separating means for separating said program related information and said display related information into a first part containing identification information for identifying said program related information and said display related information and a second part composed of actual data;

second separating means for separating said second part into a third part comprising identification information for identifying said second part and a fourth part composed of actual data; and

retrieving means for retrieving data of said second part and said fourth part of said program related information and said display related information based on said identification information.

6. (Previously Presented) The receiver system according to Claim 5, further comprising updating means for updating said second part and said fourth part of said program related information and said display related information based on said identification information.

7. (Original) The receiver system according to Claim 5, further comprising display control means for displaying a first window on a predetermined screen and displaying data of said fourth part within said first window.

8. (Currently Amended) A transmitting method for transmitting program related information relating to program information, comprising the steps of:

generating said program related information and display related information relating to displaying said program related information; and

transmitting said program related information and said display related information separately;

said generating step composing said program related information and said display related information of a first part including identification information for identifying said program related information and said display related information and a second part composed of actual data;

whereby said display related information includes information for initiating an operation in response to selection of a displayed item; and

whereby the displaying of said program related information includes partitioning a display space according to a hierarchical structure having at least three levels, a main page level, a box level and a cell level, wherein main pages are linked to boxes via main-box link information and boxes are linked to cells via box-cell link information; and

whereby each main page is associated with a main layout tag that includes an ID of a box composing the page and each box is associated with a box layout tag that includes an ID of a cell composing the box.

9. (Currently Amended) A receiving method for receiving program related information relating to program information, comprising the steps of:

receiving separately said program related information and display related information relating to displaying said program related information; and

generating fourth information for displaying said program related information based on said program related information and said display related information;

whereby said display related information includes information for initiating an operation in response to selection of a displayed item; and

whereby the displaying of said program related information includes partitioning a display space according to a hierarchical structure having at least three levels, a main page level, a box level and a cell level, wherein main pages are linked to boxes via main-box link information and boxes are linked to cells via box-cell link information; and

whereby each main page is associated with a main layout tag that includes an ID of a box composing the page and each box is associated with a box layout tag that includes an ID of a cell composing the box.

10. (Currently Amended) A transmission medium for transmitting a computer program for transmitting program related information relating to program information, said computer program comprising the steps of:

generating said program related information and display related information relating to displaying said program related information; and

transmitting said program related information and said display related information separately;

said generating step composing said program related information and said display related information of a first part including identification information for identifying said program related information and said display related information and a second part composed of actual data;

whereby said display related information includes information for initiating an operation in response to selection of a displayed item; and

whereby the displaying of said program related information includes partitioning a display space according to a hierarchical structure having at least three levels, a main page level, a box level and a cell level, wherein main pages are linked to boxes via main-box link information and boxes are linked to cells via box-cell link information; and

whereby each main page is associated with a main layout tag that includes an ID of a box composing the page and each box is associated with a box layout tag that includes an ID of a cell composing the box.

11. (Currently Amended) A transmission medium for transmitting a computer program for receiving program related information relating to program information, said computer program comprising the steps of:

receiving separately said program related information and display related information relating to displaying said program related information; and

generating fourth information for displaying said program related information based on said program related information and said display related information;

whereby said display related information includes information for initiating an operation in response to selection of a displayed item; and

whereby the displaying of said program related information includes partitioning a display space according to a hierarchical structure having at least three levels, a main page level, a box level and a cell level, wherein main pages are linked to boxes via main-box link information and boxes are linked to cells via box-cell link information; and

whereby each main page is associated with a main layout tag that includes an ID of a box composing the page and each box is associated with a box layout tag that includes an ID of a cell composing the box.

12. (Previously Presented) The receiver system according to Claim 4, further comprising second generating means for generating fifth information from said program related information and said display related information.

13. (Previously Presented) The receiving method according to Claim 9, further comprising a second generating step for generating fifth information from said program related information and said display related information.

14. (Previously Presented) The transmitting medium according to Claim 11, further comprising a second generating step for generating fifth information from said program related information and said display related information.

15. (Original) The receiver system according to Claim 5, wherein said first window is composed of one or more boxes and said box is composed of one or more cells.
